

# EUROPEAN PATENT OFFICE

## Patent Abstracts of Japan

PUBLICATION NUMBER : 05347422  
PUBLICATION DATE : 27-12-93

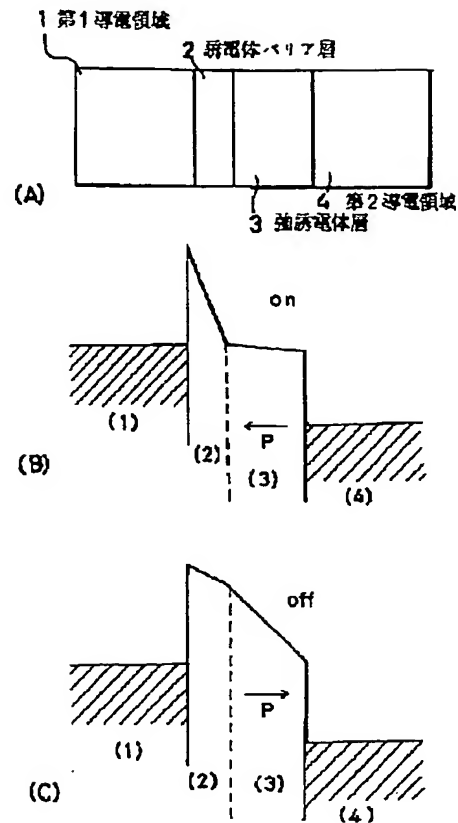
APPLICATION DATE : 16-06-92  
APPLICATION NUMBER : 04156326

APPLICANT : FUJITSU LTD;

INVENTOR : TAMURA YASUTAKA;

INT.CL. : H01L 29/88 G11C 13/00 H01L 49/02

TITLE : BISTABLE DIODE



ABSTRACT : PURPOSE: To provide a bistable diode which has a memory function and a large on/off ratio of a current.

CONSTITUTION: At least two dielectric layers 2 and 3 are provided between a first conductive electrode 1 and a second conductive electrode 4. At least one of the dielectric layers 2 and 3 is a ferroelectric layer (for instance 3). In this construction, a barrier which prevents carriers from moving may be provided along a boundary between the dielectric layer 2 or 3 and at least one of the first and second conductive electrodes 1 and 4. Further, at least one of the first and second conductive electrodes 1 and 4 may be made of metal or oxide material showing superconducting properties.

COPYRIGHT: (C)1993,JPO&Japio